

Sequence Listing

<110> Rudland, Philip S.
Barracclough, Roger B.

<120> Metastasis Inducing DNA's

<130> WPT 0114 PUS

<140> US 09/101,423

<141> 1998-11-27

<150> PCT/GB97/00074

<151> 1997-01-10

<160> 6

<210> 1

<211> 1033 base pairs

<212> DNA

<213> Homo sapiens

<400> 1

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CCCTTTTTC 120

CTGAGGACCC TTCACGTAGC CTCCCATCTG GATGACCTAG TAGAAGACGT
GGGAAGTTGT 180

CACACTCAGG TAACTGAGCA GAGCTCAGAG ATTTAAAGTG AGTCTGGGGA
GCCTCGAGGA 240

TTGATCTGCT GCCTTAAAAA GCCAATTGGA TGAATAACCC AGACTATTGT
CACTTTAGGT 300

GGGAAGTCAC TAGCATATCT GATGGGTCAC ATCTGAGAAA GGTTTCTAGC
AGTGGTGGCC 360

TTGTGTGAGC AGCATGGCGT GTATCATGGT GTGCAGCATA CTCAGGCTGC
TTGCAAACT 420

CGAGGCTCTT CTTCACTATT AGGGGAACCA CTGGTGTTGA ACATGGTCCA
AGAATACTGT 480

CATGTGAGGA GAATCCCAAT GCGTCAGGAG AAAACGAGAG TCTGTGACCT
CCATTCTTCA 540

AGATACAGAA TTATTCTTGG ACTGTGTTTT CATGCTCCTT GTGGATGGGA
GTGAGTTTAC 600

TTCAGGTAA TCAGCATTGC TTAATGTTGG TATTCAAGTA AATGCTTAAA
TTATCCTGGA 660

TATACCTCTG TGGGAAGCAG GTTTTTGATA CATGCAGCTT GTCCTTGTGA
TTGATACTGC 720

TTGAACTCAA GAGAACTTTG CTCATGTGAT CTTTCTTAAC CGATGGAGTA
GAAACTGTCT 780

GATGCTCTCA ATAAAGTTGG CTCTTGACAG AGACGTTAGT CTGTCCTGTT
TATCTGCTCC 840

ATTCTTCCGC TCCCACGGCC TCTACAGCAC TAAACCCACC ACCGATAGAC
TCAGTCTTTC 900

ACTGACAAAC ATCACCAGAG GCTCTTAACT GAGATTATAA ACTGTTACTA
GATGATGGGT 960

GGAATCGCTC CCCAGAAACA TAAACATTTA CTTGGAGAAC TCAAGACCCC
TTTGTAGACA 1020

TAACTCCCAT GGT 1033

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<211> 1058 base pairs

<212> DNA

<400> 2

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AATGGGTTGA AATTCTGTGC CACAAACGCT CTCCATGTTT TCACAATTAC
ACTTGCAACC 120

TGTGGTCAGC AGCCAGAATT TAGGGATGTG ATGGGACAGG GTCGGGGAAA
GAAGGAGAAG 180

GGTAAAGGAA AGACAGCACG TTAAAGTCCA AACAGCTCCA GGAGACTATC
TGTAGAAATA 240

ACATCAGACC ATGAGGAGAA TTGATATCAT TGTTTTTCAA TGGGTATCGC
CAAGGGA ACT 300

TTCCATCTGA TTAAAAATAA TTACTGCTGG CACTAAATCC AATTGGAAAT
GCCCCACACA 360

ATTTATCTTC CACTTCATGC TGCTACCATA TGCCTGACGT GCGGAGCAG
AAGCATCCCC 420

TCCCGTTCTG ATAAATAGTA CTTTGTAAT ATTGGAGAC GGGAGCTCTG
GTGACAGGGA 480

ACACGTACAA ACCGGCCTGT TTATCATGTT CCCGATAGAG GCCCTCTTTG
ACGTACAGGA 540

CCCCAAAACA GTCAGGATGC TGTGAATTC CTCCATGAA GCCTTGTTCA
CAATTAGCAA 600

CCATTGGAGG AAGCAGGCTG CACTGTCTAC CACAAGTGGC ACTTTCCAAA
GAGCACACAT 660

ATATTGGAGC AAGACATTTT GCTGGCTGAC TGGTGCTGTG TAAGCTGATA
AACTGCTATA 720

TTTATTAAAC TGGCTTTTCT TTGAACACCC CACTCAAGGA AAAAAAACA
CACTTAGGGT 780

GACATTATTT GGAGATGAAG TCTTTATAGA GATGCTTAAG TTAAACGAG
ACTTTTAAAG 840

CCGGCTCTAT TCCATTTAAT GAATGGTGTC CCTACAAAGG AAGAACTGG
GACAGAGGTA 900

TGTACACTTG TGTGTGTGTG AGAGACAACG TGAGGAGCTG AAGAGGAGCA
CGTACAAGTC 960

AGAGAAAGGC TGACCCTTAT TCACACTGAG CAAACCAGTC ATGTGTGGGT
CGATAGATGA 1020

GAGTATCCCC CAAGACTCAC ACATTCGAAC GCTTGGTC 1058

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<213> Homo sapiens

<400> 3
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CAGCAGCATA 120

AGAACACAAT CACAAATAAA AAAAATCTTG AAAAATTTTA AGCTAAAATT
GTTAAGAAAT 180

AACATATATA CAATTTTCT TTATTTTTTT AAAGATTTAT TTATTTAATG
TATATGAGTA 240

CACTGCCTCT CCCTCCAGAC ATAGCAGTAC AGGGCATCGG ATCCCATTAC
AGATGGTTGT 300

GAGCCACCAT GTGGTTTCAC AGATGGTTGT GAGCCACCAT GTGGTTTCAG
GAATTGAACT 360

CAGGACCTTT GGAAGAGCAG TCAGTGCTCT TAACCTCTAA GCCATCTCTC
CTGACCCTTA 420

TATACAATTT TAATGCTACG TACACACAAC TTCTCTTTCC TTTAATGGTT
GAGATTTTTG 480

TCTGGAGAAG TAAGAATAAA GGAGGGAAAG AACATTGCTT TCACATTGCA
CCAGTGGGAA 540

CAGCGTGTTT AAAGTAGGAA TGCCATGAAA TGA CTGGCCT GCCTTCTCAT
TACTGTTCT 600

CCCACTCCTC CTTTAACTG GAGCTCCTTT ATCTAATTTA TTAGTTTGAC
GATACCCAGG 660

GTTTTCTTCT GTTTTGATCT TTTAAGACA GAGACTCACC ATATAGCCCT
GGCTGGCCTG 720

AAGCTCACTA TG TAGACCAG TCTGGCCTTG AACTCAAAGG AGATCTATCT
GCTTCCTAGT 780

GCTGGGATTA AAGGCTTG TG CTACCAAGTC TGGTCTGAGG CTTTGGAGCA
GCCTCGGTTT 840

TGGCCTTCTT TAAGGATCTC TAAGCTAGCA GTAAGTAGCC TAGCCATGCT
GTTGTAGGAA 900

GTTGTTCGTT CATCCTGGCT CCAGCACAAA GGCAGTCACT AAACGTCGGC
CTCATTTTCA 960

CAGAGCTGAA TGCAAATTCC TTGTGCTCTT CCTGTGTCCT CCTGGAAC

1008

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<211> 1088 base pairs

<212> DNA

<213> Homo sapiens

<400> 4

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GACACCTGCG 120

GGTAATTAAA AGCTCTCTCC CAGTGGCCTT TCCTGTTTTT GGCTCTGGGA
GGCGAAGGCA 180

TTGAGAGGGA TGCAGGCATT CTAAGGGCTG GTTCTTGGTT TCTCCCTTCC
CCTCTGTCCA 240

AACTCAGTGA GGTATCCCTG TCTGTGCTGT CCTTAGAGTG CCGTCCTGAG
GCCTTGGTGA 300

GTTAAGGTCT CTGGATCTGA GCTGCCTCAG GGAAACGCAT GAGCTCATTG
GAAAGGGGAG 360

AACCAGGCAA AGGTGTTGGC TGTGACCTCA GAATTCTGAG GGGCAAAGGT
TCAAGGCTAA 420

CTCTCATTAT AGAGCAAGTT TGAGACTGGC CTGGGAACAA AAATATAAAG
TGAGTGAGGT 480

CATATGACAG CACCTGAGGA GTCCTGTCCC TAGAGATCAT AAGGACCTGG
CTGCTGGGGA 540

CTTGTTGCAG ATGGCACTTT GTGTCGAGAG AGGGGACCTG CCCCAGCATG
GGAGGCCCTG 600

GAAGATCCTC TGGATTA ACT GTGAACACTG ATTGCTGCTT TATACCTGGA
GTTGTGCTGT 660

TATCTGGTAC ACATCTGCTG GGTGAATGAG TTCATGGGCT TTATTTCAGT
GAGGTATTTA 720

CCTGAGGAGA AAGAAGGACT GGTGCCACAA AGCACAGCTT TTAAATCTGT
GGGTTGTGAC 780

CCATTATGGA CTATCATAAC TGAGTGCAGG TATCAAGAAT ACTTTAGCAG
GTGGTAAAAA 840

GATTTTTGAA TGCGCAACGA CCAAACTGA ACTCAAAAAT CAAGCATGGC
ATGGATCCTG 900

GGTGCTCCTG GAAGCACTTG CCTTTACTGC ATTGTGCGAC TTGACGGTAG
CCTTG GTTCT 960

GAATGCACAA CACGTGGGCT TTGGGCTGCA CAGGCCACCA CGCCGTGCCT
GAAACACCTC 1020

AGCTCAGGTT TGTGGCTATG TCCTATGACT TGGACTTACT TTTATTGCAC
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TTTCCTGC 1088

<210> 5

<211> 960 base pairs

<212> DNA

<213> Homo sapiens

<400> 5

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TGAATCTGAC 120

ATGAGAAAAA CAGATCAGAA ACGTTCTTGT GCTTCAGAAA AGGACAAGTG
TGTGAGCTAA 180

CAGACTGCAC ACTGGTGTTT GAGGCACATC TGGATCACAG GAGCGTCAGA
TAATGTCCCC 240

AAAGGTAAAT GCATTTGCTT GCACAGTACC GAGTGTGGTG GGGGGTGCCT
ACAGCCCAGC 300

GGTTCTCAAC CTCCTGATG CTCGACCCT TTAATACAGT GCCTCATGCT
CTGGTGACCT 360

CCCCAACCTT AAAATTATTT TTGTTGCTGT TCATAACTGT GATTTTGATA
CTGTTATGAA 420

TTGTAATATA AATAATTTTG AAGAAAGAGG TTTGCCAAGG GTTTGAGAAC
TGCTGTTCTA 480

GCCCCACGTG GATGGTTTTT CGTCATTTGG GGTTTTTATG AGGCAGAGTC
TTATGTAGCC 540

CAGGCTAGCA GCCTAGAATG TGCTACTTAG CTGAGGAATA ACCTTGGAAC
TTCTGAGGAC 600

TGGAGAGACT GGCTTAGTCC TCAAGAAACT GGAAATAGCT GGAGTTTGGC
TACTTGTGGG 660

TTCCTTTTTC TTCAAACCTT TTCTACTCTT TTTCCACCCT GTCGGCCCCC
TAACACTAAA 720

TAAGAAAGAG AAAGGGGAGC ATAGAGGGGA AAAGAAACCC CTGAATAACG
TCAGTAGTTG 780

GCAAAGGGGG GTGACATATG TTGTCATTAG ACCACATCCT GGTGATTAAG
GGGAGTCAAG 840

TTCCTTGGGG CAAGTTTGAT CTTTCGTGTA ACGATATCTA ATTTCTTCTC
CCTGTTGCTT 900

CGTCTTTGTG AACAAACGACT TGATAACCCA CAATGGACCA TCAACCAACC
AACCAACCAT 960

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<212> DNA

<213> Homo sapiens

<400> 6

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B1
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CAGGAACAGA 120

GTGTTCTACT GTCAGATGTG TAGCTGTTCC TGTCCACTGA CTTTCAAGCT
GTCTCTGTGT 180

GCAGGAACCA GAAGGGCCTG TCCCTACTTC TACTGGGCCC CTACGCACAG
GGGGCCTAGA 240

TGGTGCTAGG TGTTTTCTTC TAGAGCCTGA AATGTGGGCA GAGAGTAGTC
TCCTCTGGTT 300

TCCTAGGTAT GTCTTCCCCT CTGAAGGTCT AGCTCTCCCT TCCATGGGAT
ATGGGTGCAG 360

GGAGCTGTTT GACCAGGTCC TCTCAAATCC GGGTGCAGTC TGGACCGCAG
GCTCCTGTAG 420

CTTGCCTGCT GCAATCTTCC CGCACCCAGA GGCACCCAAG TTTCTCTTG
GGCCAAGGAT 480

GTGGGCAAAG GTGGGCAGAA GTGGCAATCT CTCCTGCCCT AGCGTCTCAG
GATTGCCCTC 540

ACTTCTGGGC AATCCGCTCT CTCTTCCACA GGGTTTGGGA GCAGGGAGCT
GTGGGCCCGT 600

ATCAGGCAAA GGTTCGAGGC AACCAGTTAG AACTGGAAG TGTCAGGTCC
CAGAGGAATT 660

B1 conclude
TTGCCTTTGT GTGTCCTGAG TCCACCAGGC AGGTCACCTG GAGCAGAAAA
ATTGGTTTTTC 720

CCCTCGGTCT CAGGCCTGAA GTTGCACCTC AGGGTTGGCT TTCAGCTGTA
CCTGTGGAAA 780

GTATGGTTTT AAAAATCTAA GATAGCTATC ATGCAGCAAG GCTTGTGTAA
AATGTCTATT 840

TGGTTCCTTT ATGACTTACT TTTGCTGTAC TGAGGATCAA ACCTAGGGTC
TCAAGCAGTC 900

ATCACAATTC TCTGTCACCTG ATCCAGCTCC ATTTCTATTT TCTTTTGTCC
CGCGCGATCT 960

CTCGCCAGCA AGAAAACACG CTAGGGACAT ACGAATCCTT GCTGCAGCCA
AAACTTTTAT 1020

TGAATCTTAA GGAGAAGCCC GCGCACCGGA CTGGCGCGGT TTATATACAC
CCTAGCACAG 1080

TGCATCCACA 1090